



SUSTAINABILITY ENHANCEMENT MARINE CORPS AIR STATION CAMP PENDLETON



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Overview

- MCAS Camp Pendleton
- Sustainability, Business, and the Mission
- Sustainability Assessment Approach and Results
 - Site Visit
 - Gap Analysis
 - Implementation Plan
- Project Lessons Learned



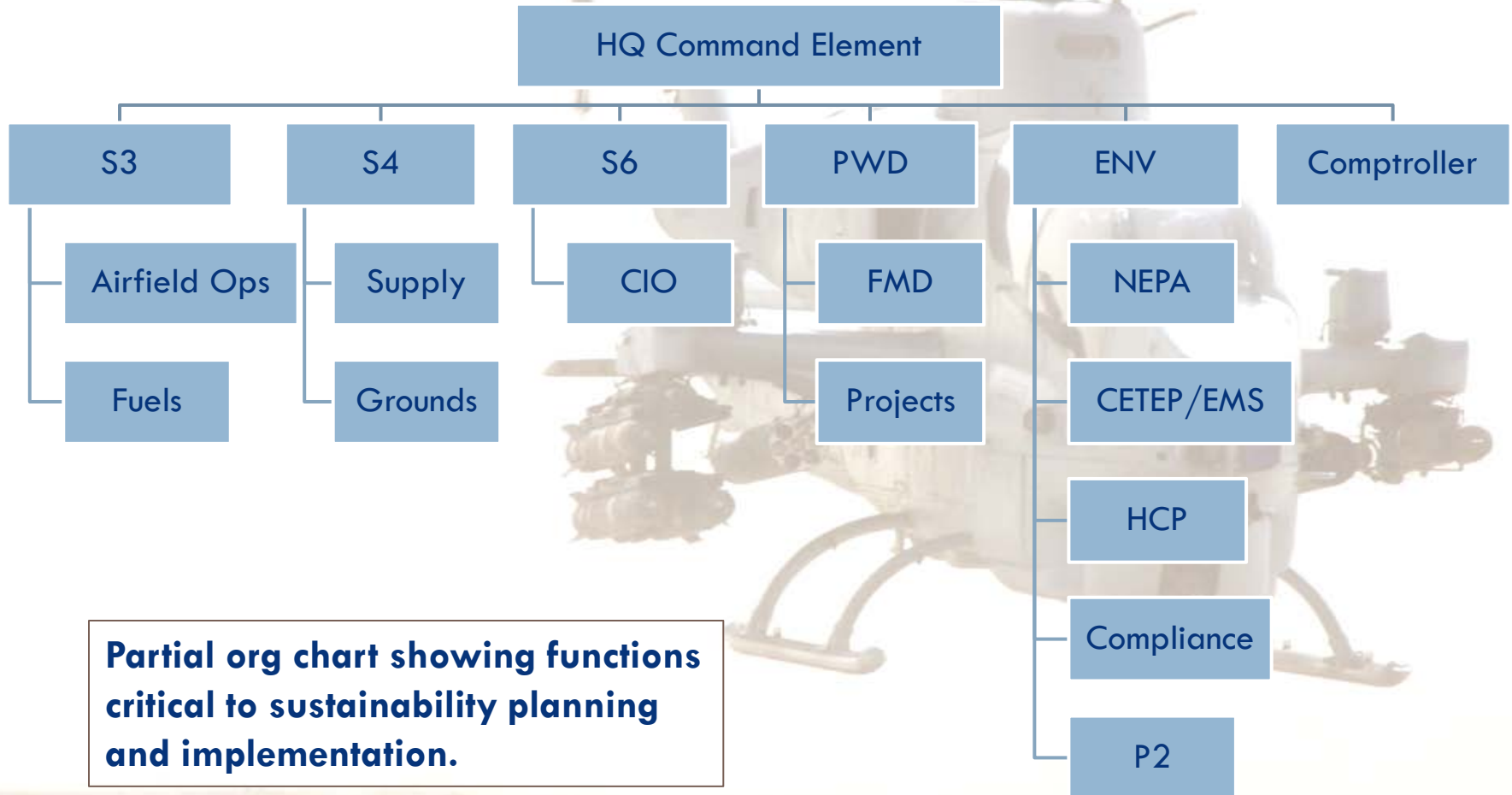
MCAS Camp Pendleton

- Mission: maintain facilities and property, provide support services, and operate the airfield supporting I MEF and other forces training/preparing for combat.
- Fixed and rotary wing aircraft
- Occupies ~410 acres within MCB Camp Pendleton
- Autonomous from MCB, with some shared programs and resources



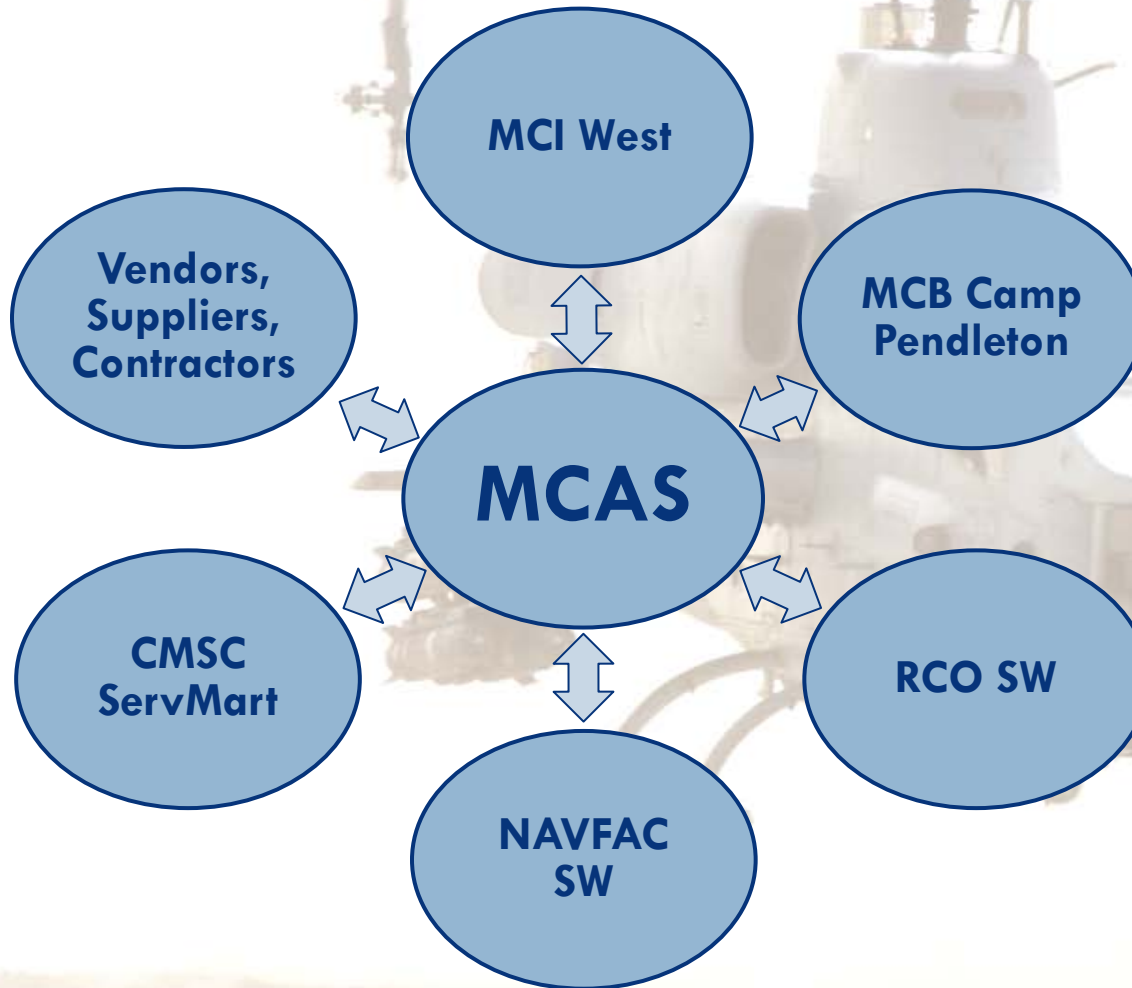


MCAS Organization





MCAS Sustainability Partners

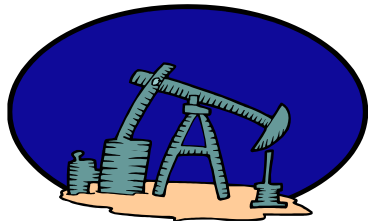




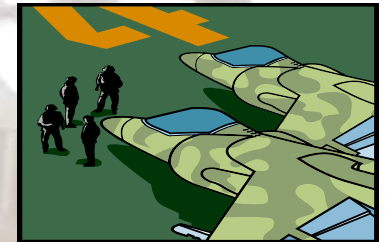
Sustainability: Smart Mission, Smart Business



**Risk and Cost
At Tip Of Spear**



**Energy Supply
and Volatility**



**Training and
Support Infrastructure**



**Economic, Environmental,
Political Multipliers**



FY10 SSPP Focus Areas

1. Energy Management
2. Water Resource Management
3. GHG Emissions
4. Solid Waste Management
5. Chemicals of Environmental Concern
6. Sustainable Acquisition
7. High Performance Sustainable Buildings
8. EMS and Sustainable Management



Department of Defense
Strategic Sustainability Performance
Plan

FY 2010

Public Version
26 August 2010



Sustainability Assessment Project

□ Purpose:

- Assess current MCAS sustainability programs and their ability to meet emerging sustainability requirements
- Recommend improvements and strategy to enhance sustainable practices and ensure meeting SSPP goals

□ Project Elements:

- Train the trainers/CO awareness
- Gap analysis against SSPP
 - Document review
 - Onsite interviews
- Implementation plan/strategy



Interviews

- Environmental Officer
- NEPA Program Manager
- GPP Manager
- HCP Manager
- CETEP/EMS Manager
- PWO/APWO
- PWD Planners/Project Managers
- Facilities Manager
- Maintenance Contract PAR
- Command Information Officer
- Fuels Officer
- Resource Efficiency Manager (REM)
- MCI West Energy Manager
- NFESC
- MCB FMD (water, energy) Managers
- MCB REM
- MCB Environmental (SW, EPCRA, P2/HW, QRP) Managers
- RCO SW Contracts Specialist
- CMSC ServMart Managers
- MCI West Sustainability Officer
- NAVFAC SW Design Manager



Gap Analysis Results

- Assessment of how well current MCAS programs and initiatives meet SSPP goals and sub-goals
- Detailed findings and recommendations by focus area, basis for Implementation Plan
- General results:
 - Sustainability focus incorporated into successful NEPA process
 - Essential, basic coordination with NAVFAC, MCB in place
 - Significant ad-hoc implementation of sustainability initiatives across SSPP focus areas
 - Need for cohesive, Station-wide approach under central programmatic initiative



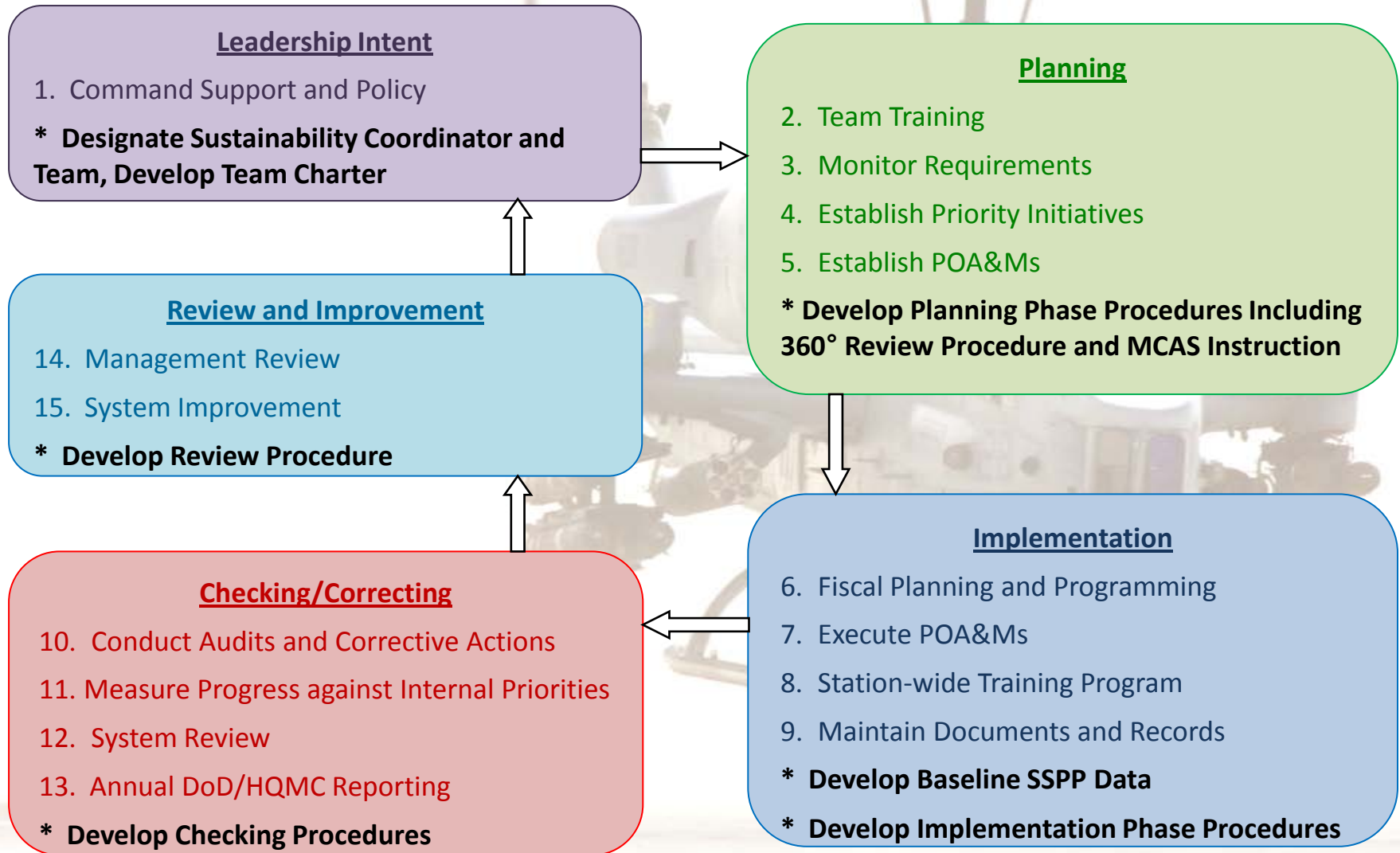
Implementation Plan - Strategy

□ Highlights:

- Leadership commitment
- Establish responsibilities, priorities, and procedures
EMS-like plan-do-check-act framework
- Leverage effective NEPA Program (short term)
- Multi-functional approach; not necessarily
environmental lead
- Coordination with Federal and private partners
- Long-term — sustainability management system



Implementation Strategy





Implementation Plan – Specific Recommendations (Examples)

- ❑ Establish a Sustainability Team to champion sustainability initiatives.
- ❑ Conduct Energy Audit to identify/develop high quality energy opportunities.
- ❑ Develop/implement comprehensive water metering program.
- ❑ Develop/implement comprehensive GHG emissions reduction plan.
- ❑ With contracting offices, ensure construction contracts require 60% C&D waste diversion. Enforce.
- ❑ Establish GPP Team. Develop MCAS GPP Instruction with all Departments that have a key role in the GPP.
- ❑ Continue to track contracts and major purchases through NEPA Program; establish process to ensure rigorous multi-function review of all planned contracts and major purchases.
- ❑ Apply EMS performance improvement process to promote meeting SSPP and EO goals through formal sustainability-focused objectives and targets and POA&Ms.



Project Lessons Learned

- Many sustainability initiatives already in place (long-standing requirements) at MCAS Camp Pendleton
- Sustainability a multi-functional initiative
 - Extensive coordination required for planning and implementation
 - Address potential competing organizational priorities
- “Green” does not necessarily mean environmental lead
- Essentials:
 - Strong leadership commitment
 - Close coordination internally and with partner organizations
- Requirements framework evolving rapidly
- EMS structure provides natural framework for implementation



QUESTIONS?

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